

## REMARKS

### Summary

Claims 1-6 are pending. Claims 1 and 3-5 have been rewritten. No new matter has been added as a result of this amendment.

### Objection to the Specification

In the Office Action of May 29, 2003, the Specification was objected to for various grammatical reasons. Applicant has amended the specification as required by the Examiner and respectfully requests that the objection be withdrawn in the next Office Action.

### Objection to the Drawings

In the Office Action, the drawings were objected to as lacking various labels. In addition, the drawings were objected to as not showing the oscillator and mixer in the IC unit as recited in Claim 5. Applicant has added the labels to Figs. 2-4 as required by the Examiner and cancelled the features of the oscillator and mixer from Claim 5. Applicant has enclosed corrected versions of Figs. 2-4 with corrections marked in red. Applicant requests the Examiner approve the corrections and will submit formal drawings upon receiving a Notice of Allowance.

### Rejection of Claims

In the Office Action, Claims 3-6 were rejected under 35 U.S.C. §112, second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention. Applicant has rewritten Claims 3 and 4 to more clearly describe the invention toward which the claims are directed. Applicant submits that Claims 3-6 overcome the rejections.

In the Office Action, Claims 1-2 were rejected under 35 U.S.C. §102(b) as being anticipated by Kane (JP 60-33702). Applicant has rewritten Claim 1 and submits that Claims 1-2 are patentable over Kane.

Claim 1 recites a digital broadcast receiving tuner comprising an insulating board having a first surface, on which a first wiring pattern and a first tuner are disposed, and a second surface, on which a second wiring pattern and a second

tuner are disposed. The first and second tuners each comprise a high-frequency unit and a demodulation unit. Such a configuration permits miniaturization of the receiving tuner at least by decreasing the mounting area of the mother board area needed for the tuners.

Kane does not anticipate or disclose such an arrangement. More specifically, Kane does not teach a configuration in which both of the tuners have a high-frequency unit and/or a demodulation unit. Further, Kane actually teaches away from the arrangement of Claim 1. One reason for this is that, as the Examiner indicates, Kane teaches an arrangement that has a wiring pattern that is a tuning pattern rather than separate wiring patterns and separate tuners, as recited in Claim 1. Kane neither teaches the same arrangement as that of Claim 1, nor does the arrangement of Kane encompass the same advantages or have the same motivations as the arrangement of Claim 1.

For at least these reasons, Kane neither anticipates nor discloses the arrangement of Claim 1. Thus, Claim 1, as well as dependent Claim 2, are patentable over the cited references.

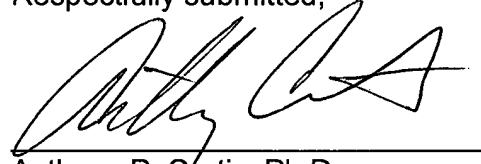
In addition, Claims 3-6 are independently patentable over the cited references. Claim 3 recites specific positions of the high-frequency units and the demodulation units of the tuners. Claim 4 recites that the multi-layer board comprises multiple grounding layers, each of which has different sections (deletion units and a first remainder), as well as specific positions of the different sections of both grounding layers with respect to the positions of the high-frequency units and the demodulation units of the tuners. The arrangement of Claim 4 increases the facing distance between the wiring patterns and the first remainders, which decreases the capacitance of the structure. Claim 5 recites that each high-frequency unit comprises an IC component having a direct conversion unit, and each grounding conductor layer in addition to the above has a second remainder that opposes a lower portion of the corresponding IC component. Claim 6 recites the specific positions of the second remainder of each grounding conductor layer.

None of the cited references anticipate or disclose an arrangement having any of the elements or positions of these elements as recited in Claims 3-6, let alone any combination of such elements and positions. For at least these reasons, none of the cited references anticipate or disclose the arrangement of any of Claims 3-6. Thus, Claims 3-6 are independently patentable over the cited references.

## Conclusion

In view of the amendments and arguments above, Applicant respectfully submits that all of the pending claims are in condition for allowance and seeks an early allowance thereof. If for any reason the Examiner is unable to allow the application in the next Office Action and believes that a telephone interview would be helpful to resolve any remaining issues, he is respectfully requested to contact the undersigned agent or attorney.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Anthony P. Curtis', written over a horizontal line.

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